

***LineUp With Math™* Alignment**
Arizona Mathematics Standard Articulated By Grade Level
Grade 8

Strand 1: Number Sense and Operations

Concept 2: Numerical Operations

Understand and apply numerical operations and their relationship to one another.

Standard	<i>LineUp with Math™</i> Activities
PO 9. Calculate the missing value in a percentage problem.	--Use percent relationships to resolve distance, rate, time conflicts in air traffic control.

Concept 3: Estimation.

Use estimation strategies reasonably and fluently.

Standard	<i>LineUp With Math™</i> Activities
PO 1. Solve grade-level appropriate problems using estimation.	--Predict and plot the relative motion of two or more airplanes on given paths. --Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts.

Strand 4: Geometry and Measurement

Concept 4: Measurement - Units of Measure

Understand and apply appropriate units of measure, measurement techniques, and formulas to determine measurements.

Standard	<i>LineUp With Math™</i> Activities
PO 6. Solve problems using ratios and proportions, given the scale factor.	--Use an interactive simulator plus calculation worksheets to apply proportional reasoning to identify and resolve distance, rate, time conflicts in air traffic control.

Strand 5: Structure and Logic

Concept 1: Algorithms and Algorithmic Thinking

Use reasoning to solve mathematical problems in contextual situations.

Standard	<i>LineUp With Math™</i> Activities
PO 1. Describe how to use a proportion to solve a problem in context.	--Use an interactive simulator plus calculation worksheets to apply proportional reasoning to identify and resolve distance, rate, time conflicts in air traffic control.